
SILVIA FERNÁNDEZ, California State University, Northridge

Rectilinear Local Crossing Numbers of Complete and Complete Bipartite Graphs

The local crossing number of a drawing of a graph is the largest number of crossings on any edge of the drawing. In a rectilinear drawing of a graph, the vertices are points in the plane in general position and the edges are straight line segments. The rectilinear local crossing number of a graph G is the minimum local crossing number over all rectilinear drawings of G . In this talk, we present the latest results on rectilinear local crossing numbers of the complete and the complete bipartite graphs.